

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	2.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2017 - 4/5/2017			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0011_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0011_01_s _ 2013_6				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0011_01_s _ 2013_7				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a written flood response plan and regular flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	10
LM End	1.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.758929 °	38.738955 °
				-121.667572 °	-121.660280 °
DWR ID	DWR_ST0011_01_f_2016_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP_2017_ST0011_291_10_20170320_00006.jpg



View of fence located within 10-foot easement of landside toe. Fall 2016.

LM Start	0.00	Rating **	M	Issue No.	10 (cont)
LM End	1.55	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2017_ST0011_291_10_20170320_00007.jpg



Another view of fence located within 10-foot easement of landside toe. Fall 2016.

LM Start	0.00	Rating **	U	Issue No.	14
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758935 °	38.724274 °
				-121.667521 °	-121.665112 °
DWR ID	DWR_ST0011_01_s_2017_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_291_14_20170413_00021.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	13
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758933 °	38.724274 °
				-121.667519 °	-121.665112 °
DWR ID	DWR_ST0011_01_s_2017_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_291_13_20170413_00020.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.747888 °	38.734972 °
				-121.660202 °	-121.660265 °
DWR ID	DWR_ST0011_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2017_ST0011_291_8_20170320_00003.jpg



View of the ditch on the landward side of the levee. Fall 2015.

LM Start	1.70	Rating **	M	Issue No.	9
LM End	1.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.736842 °	38.735498 °
				-121.660285 °	-121.660287 °
DWR ID	DWR_ST0011_01_f_2016_9				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP_2017_ST0011_291_9_20170320_00004.jpg



View of fence along the ditch on landside. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	1.70	Rating **	M	Issue No.	9 (cont)	
LM End	1.79	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.736842 °		38.735498 °
				-121.660285 °		-121.660287 °
DWR ID	DWR_ST0011_01_f_2016_9					
Comment Code						
FE : Fence						
Inspector Comment						

Photo 2 of 2 : SP_2017_ST0011_291_9_20170320_00005.jpg



Another view of fence along the ditch on landside. Fall 2016.

LM Start	1.83	Rating **	M	Issue No.	3
LM End	1.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.734936 °	38.734936 °
				-121.660281 °	-121.660281 °
DWR ID	DWR_ST0011_01_f_2016_3				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_291_3_20170320_00001.jpg



View of garbage within 10-foot easement of LS levee toe. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

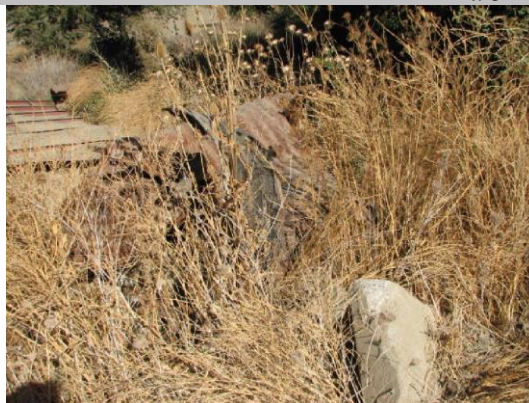
Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	1.85	Rating **	M	Issue No.	17
LM End	1.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.734568 °	38.734568 °
				-121.660264 °	-121.660264 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50785					
DS_ID:17744					
EP_NO: 10284					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Found abandoned 42-inch CM pipe on LS berm of the levee. This was abandoned by farmer, how Unknown. need to have verified if removed or concreted					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through levee 25.0 feet below crown. Slide gate on waterward end. (ABO No. 10284 - Hershey).					
O&M manual 127, Revision Year 2011					
FS Date: 11/18/2016 2:55:55 PM					

LM Start	1.85	Rating **	M	Issue No.	17 (cont)
LM End	1.85	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50785_60276.jpg



Landside view: an abandoned CM pipe on LS berm of the levee.

Photo 2 of 2 : UCIP_SP_2017_50785_60275.jpg



Landside view: an abandoned CM pipe on LS berm of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	2.18	Rating **	M	Issue No.	15
LM End	2.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.729822 °	38.729822 °
				-121.660268 °	-121.660268 °
DWR ID	DWR_ST0011_01_s_2017_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside levee toe.					

Photo 1 of 1 : SP_2017_ST0011_291_15_20170413_00022.jpg



View of fallen tree at waterside levee toe, looking downstream. Spring 2017.

LM Start	2.20	Rating **	M	Issue No.	16
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.729588 °	38.729588 °
				-121.660263 °	-121.660263 °
DWR ID	DWR_ST0011_01_s_2017_16				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside levee toe and slope.					

Photo 1 of 1 : SP_2017_ST0011_291_16_20170413_00023.jpg



View of fallen tree on waterside levee slope, looking downstream. Spring 2017.

LM Start	2.53	Rating **	M	Issue No.	2
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.725505 °	38.724385 °
				-121.662041 °	-121.664564 °
DWR ID	DWR_ST0011_01_s_2016_2				
Comment Code					
Inspector Comment					
2006 - Slow wave wash and general fluvial erosion of the toe area under river cobbles. Erosion is creating a scarp and cobble covered wave-cut bench. 2011 - Site appears better than it looked in 2006, but still eroding. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL 2-6 R]					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.724853 °	38.724228 °
				-121.663647 °	-121.665137 °
DWR ID	DWR_ST0011_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2017_ST0011_291_4_20170320_00002.jpg



View of the ditch at the toe of the levee on the landward side. Spring 2016.

LM Start	2.63	Rating **	A/W	Issue No.	18
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °
				-121.663702 °	-121.663702 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50787					
DS_ID:17742					
EP_NO: 10284					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Screw gates where removed and pipe was abanded by farmer, How pipe was abanded is unknown.					
FIELD_STRUCT_DESC: One of two pipes.Two 42-inch CM drainpipes through levee 23.6 feet below crown. Concrete spill box at toe of landward slope. (ABO No. 10284 - Hershey).					
O&M manual 127, Revision Year 2011					
FS Date: 11/18/2016 2:57:05 PM					

Photo 1 of 3 : UCIP_SP_2017_50787_60304.jpg



Waterside view: overview (pipe not found)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	2.63	Rating **	A/W	Issue No.	18 (cont)	
LM End	2.63	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.724824 °	38.724824 °	
				-121.663702 °	-121.663702 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50787						
DS_ID:17742						
EP_NO: 10284						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Screw gates where removed and pipe was abandoned by farmer, How pipe was abandoned is unknown.						
FIELD_STRUCT_DESC: One of two pipes.Two 42-inch CM drainpipes through levee 23.6 feet below crown. Concrete spill box at toe of landward slope. (ABO No. 10284 - Hershey).						
O&M manual 127, Revision Year 2011						
FS Date: 11/18/2016 2:57:05 PM						

LM Start	2.63	Rating **	A/W	Issue No.	18 (cont)
LM End	2.63	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_50787_60303.jpg



Landside view: concrete spillbox/headwall and pipe (top view)

Photo 3 of 3 : UCIP_SP_2017_50787_60302.jpg



Landside view: side of concrete spillbox/headwall

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	19 (cont)
LM End	2.64	Issue Type +	Ma	Location *	LS

Waterside view: overview

Landside view: concrete spill box

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	2.73	04/05/2017 04/05/2017	Zach Jojola

LM Start	2.64	Rating **	A/W	Issue No.	19 (cont)	
LM End	2.64	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.724811 °		38.724811 °
				-121.663736 °		-121.663736 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50788						
DS_ID:17747						
EP_NO: 10284						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: No slide gate found. slide gates and pipes were abandon by farmer, how unknown						
FIELD_STRUCT_DESC: Two of two pipes. Two 42-inch CM drainpipes through levee 23.6 feet below crown. Concrete spill box at toe of landward slope. (ABO No. 10284 - Hershey).						
O&M manual 127, Revision Year 2011						
FS Date: 11/18/2016 2:57:12 PM						

Photo 3 of 3 : UCIP_SP_2017_50788_60307.jpg



Landside view: CM pipe with flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 02 West Levee			Right	1.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2017 - 4/5/2017			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
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If additional items are noted, further documentation of those items must also be submitted.

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<http://cdec.water.ca.gov/lma.html>

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.01	Rating **	U	Issue No.	4
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.718969 °	38.699879 °
				-121.664111 °	-121.674034 °
DWR ID	DWR_ST0011_02_s_2017_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_292_4_20170413_00011.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.01	Rating **	U	Issue No.	2
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.718969 °	38.698683 °
				-121.664111 °	-121.674135 °
DWR ID	DWR_ST0011_02_s_2017_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_292_2_20170413_00010.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	0.47	Rating **	M	Issue No.	3
LM End	0.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.712813 °	38.706018 °
				-121.667349 °	-121.670831 °
DWR ID	DWR_ST0011_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch was deepened to approximately 10 ft.					

Photo 1 of 3 : SP_2017_ST0011_292_3_20170320_00001.jpg

View of the ditch at the landward side of the levee looking downstream.
Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 West Levee	Right	1.52	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	3 (cont)	
LM End	0.97	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.712813 °	38.706018 °	
				-121.667349 °	-121.670831 °	
DWR ID	DWR_ST0011_02_s_2012_3					
Comment Code						
DT : Ditch						
Inspector Comment						
Ditch was deepened to approximately 10 ft.						

Photo 2 of 3 : SP_2017_ST0011_292_3_20170320_00002.jpg



View of the ditch on landward side. Ditch was deepened to approximately 10 ft. Fall 2016.

LM Start	0.47	Rating **	M	Issue No.	3 (cont)
LM End	0.97	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2017_ST0011_292_3_20170320_00003.jpg



View of the ditch on landward side. Fall 2016.

LM Start	1.15	Rating **	M	Issue No.	5
LM End	1.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.703681 °	38.699637 °
				-121.672090 °	-121.674112 °
DWR ID	DWR_ST0011_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee.					

Photo 1 of 1 : SP_2017_ST0011_292_5_20170320_00004.jpg



View of the ditch on the landward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 03 West Levee			Right	1.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2017 - 4/5/2017			
DWR Inspector	Zach Jojola			
Accompanied By	Ted Skidgel Sacramento Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.01	Rating **	U	Issue No.	5
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698496 °	38.687364 °
				-121.674131 °	-121.673715 °
DWR ID	DWR_ST0011_03_s_2017_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_293_5_20170413_00008.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.01	Rating **	U	Issue No.	4
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.698496°	38.687575°
				-121.674129°	-121.673738°
DWR ID	DWR_ST0011_03_s_2017_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_293_4_20170413_00007.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/05/2017 04/05/2017	Zach Jojola

LM Start	0.03	Rating **	M	Issue No.	6
LM End	0.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.698204 °	38.698204 °
				-121.674080 °	-121.674080 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50772 DS_ID:17756 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation or drainage pipe through the levee, 3 feet below the crown. As-Built FS Date: 11/18/2016 2:42:00 PM					

Photo 1 of 2 : UCIP_SP_2017_50772_60378.jpg



Waterside view: an abandoned steel pipe.

LM Start	0.03	Rating **	M	Issue No.	6 (cont)
LM End	0.03	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2017_50772_60377.jpg



Landside view: an abandoned steel pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 West Levee	Right	1.15	04/05/2017 04/05/2017	Zach Jojola

LM Start	1.13	Rating **	U	Issue No.	2
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.682264 °	38.677228 °
				-121.672897 °	-121.672800 °
DWR ID	DWR_ST0011_03_s_2017_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_293_2_20170413_00010.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	1.13	Rating **	U	Issue No.	3
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.682264 °	38.677228 °
				-121.672897 °	-121.672800 °
DWR ID	DWR_ST0011_03_s_2017_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_293_3_20170413_00009.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 04 West Levee			Right	3.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/18/2017 - 4/18/2017			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.01	Rating **	M	Issue No.	20
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.574179 °	38.566863 °	
			-121.638730 °	-121.638889 °	
DWR ID	DWR_ST0011_04_s _ 2017_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	22
LM End	0.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.574179 °	38.566863 °	
			-121.638730 °	-121.638889 °	
DWR ID	DWR_ST0011_04_s _ 2017_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.06	Rating **	M	Issue No.	23
LM End	0.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.573482 °	38.573482 °	
			-121.638734 °	-121.638734 °	
DWR ID	DWR_ST0011_04_s _ 2017_23				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.52	Rating **	M	Issue No.	24
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.566756 °	38.566756 °
				-121.638880 °	-121.638880 °
DWR ID	DWR_ST0011_04_s_2017_24				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	C	Issue No.	13
LM End	0.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.566322 °	38.566322 °
				-121.638893 °	-121.638893 °
DWR ID	DWR_ST0011_04_f_2016_13				
Comment Code					
Inspector Comment					
Unable to open gates north of RR crossing. Steel rod hardly moves.					

No Photos

LM Start	0.58	Rating **	M	Issue No.	26
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565896 °	38.565896 °
				-121.638740 °	-121.638740 °
DWR ID	DWR_ST0011_04_s_2017_26				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on landside levee shoulder.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.58	Rating **	M	Issue No.	25
LM End	0.58	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565895 °	38.565895 °
				-121.638741 °	-121.638741 °
DWR ID	DWR_ST0011_04_s_2017_25				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on wateside levee shoulder.					

No Photos

LM Start	0.60	Rating **	A/W	Issue No.	34
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.565704 °	38.565704 °
				-121.638650 °	-121.638650 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44826 DS_ID:528 EP_NO: 10304 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch CM pipe through levee 22.0 feet below crown. Flap gate on waterward end. (ABO No. 10304 - Southern Pacific Transportation Company). O&M manual 120, Revision Year 2010. FS Date: 4/28/2015 2:58:55 PM					

Photo 1 of 3 : UCIP_SP_2017_44826_60517.jpg



Landside view: concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.60	Rating **	A/W	Issue No.	34 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.565704 °	38.565704 °
				-121.638650 °	-121.638650 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44826					
DS_ID:528					
EP_NO: 10304					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch CM pipe through levee 22.0 feet below crown. Flap gate on waterward end. (ABO No. 10304 - Southern Pacific Transportation Company).					
O&M manual 120, Revision Year 2010.					
FS Date: 4/28/2015 2:58:55 PM					

Photo 2 of 3 : UCIP_SP_2017_44826_60516.jpg



Landside view: closer look at the headwall.

Photo 3 of 3 : UCIP_SP_2017_44826_60520.jpg



Landside view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.60	Rating **	M	Issue No.	27
LM End	0.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.565663 °	38.565663 °
				-121.638629 °	-121.638629 °
DWR ID	DWR_ST0011_04_s_2017_27				
Comment Code					
EQ : Equipment					
Inspector Comment					
Railroad equipment on landside levee shoulder.					

No Photos

LM Start	0.62	Rating **	M	Issue No.	35
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.565489 °	38.565489 °
				-121.638513 °	-121.638513 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44840 DS_ID:527 EP_NO: 6810 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of pipeline and provide markers if appropriate. FIELD_STRUCT_DESC: One of two 4.5-inch pipes. Two 4-1/2-inch gas pipeline through levee. (Permit No. 6810 and 7230 - Getty Oil Co.). The pipe depth is 3.0 ft. below the crown. FS Date: 4/28/2015 3:04:20 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	36
LM End	0.62	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.565473 °	38.565473 °	
			-121.638505 °	-121.638505 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44841 DS_ID:17741 EP_NO: 6810 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and install signs if it is appropriate to do so. FIELD_STRUCT_DESC: Two of two 4.5-inch pipes. Two 4-1/2-inch gas pipeline through levee. (Permit No. 6810 and 7230 - Getty Oil Co.). The pipe depth is 3.0 ft. below the crown. FS Date: 4/28/2015 3:04:32 PM					

No Photos

LM Start	0.62	Rating **	M	Issue No.	28
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.565364 °	38.563720 °	
			-121.638476 °	-121.638371 °	
DWR ID	DWR_ST0011_04_s_2017_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.62	Rating **	M	Issue No.	29
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565364 °	38.563720 °
				-121.638476 °	-121.638371 °
DWR ID	DWR_ST0011_04_s_2017_29				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	M	Issue No.	12
LM End	0.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.564543 °	38.564403 °
				-121.638355 °	-121.638359 °
DWR ID	DWR_ST0011_04_f_2016_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_294_12_20170320_00008.jpg



Asphalt paved crown has depression at this site. Fall 2016.

LM Start	0.77	Rating **	U	Issue No.	30
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.563251 °	38.563251 °
				-121.638299 °	-121.638299 °
DWR ID	DWR_ST0011_04_s_ 2017_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Large sloughing section on landside levee slope.					

Photo 1 of 1 : SP_2017_ST0011_294_30_20170419_00022.jpg



View of sloughing on landside levee slope. Spring 2017.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.78	Rating **	M	Issue No.	32
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.563181 °	38.562769 °
				-121.638306 °	-121.638309 °
DWR ID	DWR_ST0011_04_s_2017_32				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Section of wave wash erosion on waterside levee slope.					

LM Start	0.78	Rating **	M	Issue No.	32 (cont)
LM End	0.80	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_ST0011_294_32_20170419_00023.jpg



View of wave wash erosion on waterside levee slope. Spring 2017.

Photo 2 of 2 : SP_2017_ST0011_294_32_20170419_00024.jpg



Additional view of erosion on waterside levee slope. Spring 2017.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

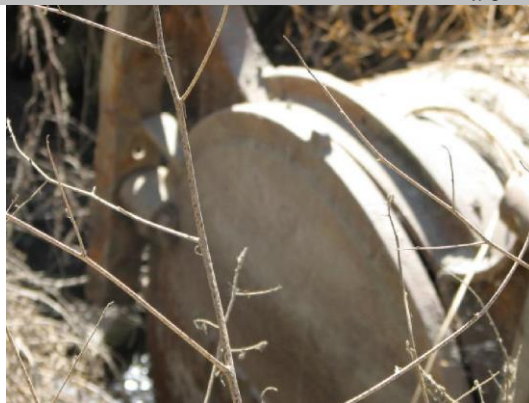
Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.78	Rating **	U	Issue No.	37 (cont)	
LM End	0.78	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.563163 °		38.563163 °
				-121.638322 °		-121.638322 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51625 DS_ID:529 EP_NO: 2849 Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/20/2017 As per Spring 2015 inspection photos, Zach Jojola, DWR Inspector, informed me of flap gate not closing completely. Need to remove any obstructions so that gate can function properly. Crossing has been upgraded from No Action to Urgent. (K. Fazel - DWR) FIELD_STRUCT_DESC: 36-inch C.M. drainage pipe through levee 25.0 feet below crown. Slide gate in 36-inch C.M. Riser on waterward slope. Flap gate on waterward end. (App. No. 2849 DOT). FS Date: 4/28/2015 2:56:00 PM						

Photo 3 of 3 : UCIP_SP_2017_51625_60524.jpg



Waterside view: closer look at pipe and flap gate

LM Start	0.80	Rating **	M	Issue No.	31
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.562775 °	38.523700 °
				-121.638318 °	-121.631465 °
DWR ID	DWR_ST0011_04_s_2017_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_294_31_20170419_00026.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.84	Rating **	M	Issue No.	33
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.562202 °	38.523700 °
				-121.638269 °	-121.631465 °
DWR ID	DWR_ST0011_04_s_2017_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_294_33_20170419_00025.jpg



View of tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.91	Rating **	M	Issue No.	6
LM End	1.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.561233 °	38.559502 °
				-121.638182 °	-121.637810 °
DWR ID	DWR_ST0011_04_s_2015_6				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2017_ST0011_294_6_20170320_00007.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	38
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.560139 °	38.560139 °	
			-121.638007 °	-121.638007 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44842 DS_ID:530 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add markers if it is appropriate to do so. FIELD_STRUCT_DESC: One of three gas pipes. Three 3-inch gas pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic Oil Company). FS Date: 4/28/2015 3:04:44 PM					

No Photos

LM Start	0.99	Rating **	M	Issue No.	39
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.560128 °	38.560128 °	
			-121.638004 °	-121.638004 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44843 DS_ID:17739 EP_NO: 6844 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if it is appropriate to do so. FIELD_STRUCT_DESC: Two of three gas pipes. Three 3-inch gas pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic Oil Company). FS Date: 4/28/2015 3:04:58 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	40
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.560117 °	38.560117 °
				-121.638001 °	-121.638001 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44844					
DS_ID:17740					
EP_NO: 6844					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of					
crossing and add gasline markers if it is appropriate to do so.					
FIELD_STRUCT_DESC: Three of three gas pipes. Three 3-inch gas					
pipes through levee 8.2 feet below crown. (Permit No. 6844 -- Atlantic					
Oil Company).					
FS Date: 4/28/2015 3:05:16 PM					

No Photos

LM Start	1.00	Rating **	M	Issue No.	16
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.559998 °	38.559998 °
				-121.638014 °	-121.638014 °
DWR ID	DWR_ST0011_04_f_2016_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_ST0011_294_16_20170320_00009.jpg



Slope was damaged by vehicle. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	1.44	Rating **	A/W	Issue No.	21
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.554636 °	38.554636 °
				-121.633619 °	-121.633619 °
DWR ID	DWR_ST0011_04_f_2016_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Animal burrow at LS toe.					

Photo 1 of 1 : SP_2017_ST0011_294_21_20170320_00015.jpg



View of an animal burrow. Fall 2016.

LM Start	1.77	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.550387 °	38.536958 °
				-121.631257 °	-121.631450 °
DWR ID	DWR_ST0011_04_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the toe of the levee on the landward side.					

Photo 1 of 1 : SP_2017_ST0011_294_3_20170320_00004.jpg



View of the ditch along the levee toe on the landward side of the levee looking downstream. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	41
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44822 DS_ID:17736 EP_NO: 10306 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Farmer cleans this screw gate every year FIELD_STRUCT_DESC: A 42-inch steel pipe inside a 48-inch CM drainpipe through the levee, 21.5 ft. below the crown and a flap gate on the waterside of the levee; w/ 2 cut-off walls, 1 headwall, and 1 saddle and apron. ABO No. 10306. O&M manual 119, Revision Year 2010 FS Date: 4/28/2015 2:57:49 PM					

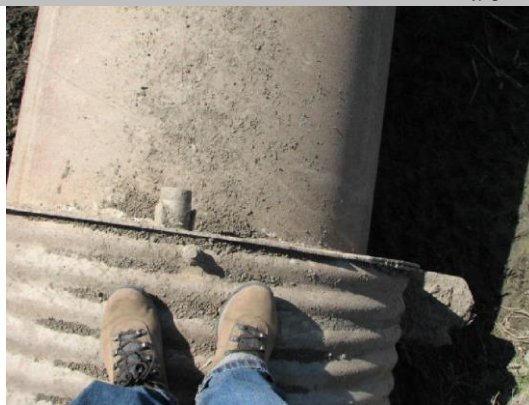
LM Start	2.10	Rating **	A/W	Issue No.	41 (cont)
LM End	2.10	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_44822_24980.jpg



Landside view: 42-inch steel pipe inside a 48-inch CMP

Photo 2 of 3 : UCIP_SP_2017_44822_24979.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	2.10	Rating **	A/W	Issue No.	41 (cont)
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.545646 °	38.545646 °
				-121.631172 °	-121.631172 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44822					
DS_ID:17736					
EP_NO: 10306					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Farmer cleans this screw gate every year					
FIELD_STRUCT_DESC: A 42-inch steel pipe inside a 48-inch CM					
drainpipe through the levee, 21.5 ft. below the crown and a flap gate on					
the waterside of the levee; w/ 2 cut-off walls, 1 headwall, and 1 saddle					
and apron.					
ABO No. 10306.					
O&M manual 119, Revision Year 2010					
FS Date: 4/28/2015 2:57:49 PM					

Photo 3 of 3 : UCIP_SP_2017_44822_24978.jpg



Landside view: closer look at 42-inch steel pipe and 48-inch CMP

LM Start	2.11	Rating **	M	Issue No.	19
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545430 °	38.545430 °
				-121.631211 °	-121.631211 °
DWR ID	DWR_ST0011_04_f_2016_19				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe.					

Photo 1 of 2 : SP_2017_ST0011_294_19_20170320_00013.jpg



View of erosion on landside levee slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	2.11	Rating **	M	Issue No.	19 (cont)	
LM End	2.11	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.545430 °		38.545430 °
				-121.631211 °		-121.631211 °
DWR ID	DWR_ST0011_04_f_2016_19					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
It appears that the ditch is beginning to erode the landside levee toe.						

Photo 2 of 2 : SP_2017_ST0011_294_19_20170320_00014.jpg



Closer view of erosion. Fall 2016.

LM Start	2.14	Rating **	M	Issue No.	17
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.545022 °	38.545022 °
				-121.631209 °	-121.631209 °
DWR ID	DWR_ST0011_04_f_2016_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
It appears that the ditch is beginning to erode the landside levee toe.					

Photo 1 of 2 : SP_2017_ST0011_294_17_20170320_00010.jpg



View of erosion at landside levee toe. Fall 2016.

LM Start	2.14	Rating **	M	Issue No.	17 (cont)
LM End	2.14	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_ST0011_294_17_20170320_00011.jpg



Closer view of erosion. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojoia

LM Start	2.23	Rating **	M	Issue No.	42
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.543645 °	38.543645 °	
			-121.631199 °	-121.631199 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44838 DS_ID:532 EP_NO: 13135 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner to determine status of crossing and add markers if its appropriate to do so. FIELD_STRUCT_DESC: 2-inch diameter steel natural gas pipeline through the levee, 4 feet below the crown. (Permit No. 13135 - P. G. & E.) FS Date: 4/28/2015 3:03:13 PM					

No Photos

LM Start	2.50	Rating **	M	Issue No.	43
LM End	2.50	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.539852 °	38.539852 °	
			-121.631247 °	-121.631247 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44839 DS_ID:584 EP_NO: 13350 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and add gasline markers if its appropriate to do so. FIELD_STRUCT_DESC: To install a 2-inch steel gas pipeline 4.0 ft. below the crown through the levee. Permit No. 13350. FS Date: 4/28/2015 3:03:26 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sacramento Maintenance Yard West Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 West Levee	Right	3.61	04/18/2017 04/18/2017	Zach Jojola

LM Start	2.75	Rating **	M	Issue No.	4
LM End	3.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.536100 °	38.523807 °
				-121.631425 °	-121.631535 °
DWR ID	DWR_ST0011_04_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is at the levee toe on the landward side of the levee.					

LM Start	2.75	Rating **	M	Issue No.	4 (cont)
LM End	3.60	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2017_ST0011_294_4_20170320_00005.jpg



The ditch is at the levee toe on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : SP_2017_ST0011_294_4_20170320_00006.jpg



Looking west at the agricultural ditch. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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